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Hawthorne Roofing Tile

Hawthorne Roofing Tile Co., 2136 So. 48th Ave.,
Cicero, Ill.

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HAWTHORNE ROOFING TILE

MANUFACTURED BY

HAWTHORNE ROOFING TILE CO.
2136 South 48th Avenue, Cicero, Ill. (Chicago Suburb)
HAWTHORNE PACIFIC TILE CO.
3326 San Fernando Road, Los Angeles, Cal.
HAWTHORNE ROOFING TILE CO. OF MICHIGAN
Box 125, Ferndale Branch, Detroit, Mich.

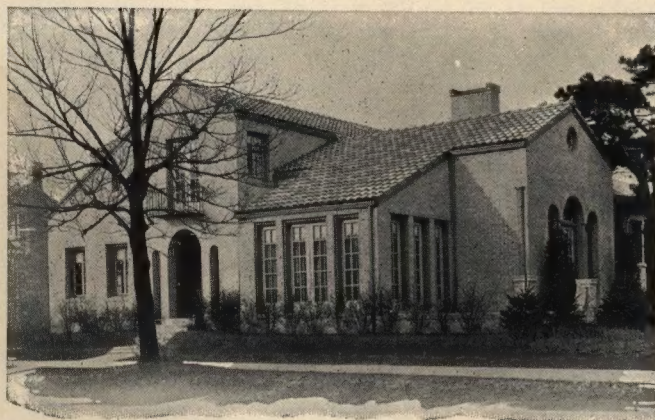
HAWTHORNE ROOFING TILE CO. OF NEW YORK
507 Fifth Avenue, New York, N. Y.
SOUTH HILLS HARDWARE CO.
1018 W. Warrington Avenue, Pittsburgh, Pa.
CONSOLIDATED BLOCK & TILE CO.
702 N. E. Second Avenue, Miami, Fla.

Product

HAWTHORNE ROOFING TILE.

Hawthorne Roofing Tile

HAWTHORNE Roofing Tile offers the architect a permanent tile roof at a moderate cost. It is a perfected product, always true to shape, that can be applied to any sloping roof.



Residence, Ridge and Lee Avenues, Evanston, Ill.
G. W. WEGENER, Architect

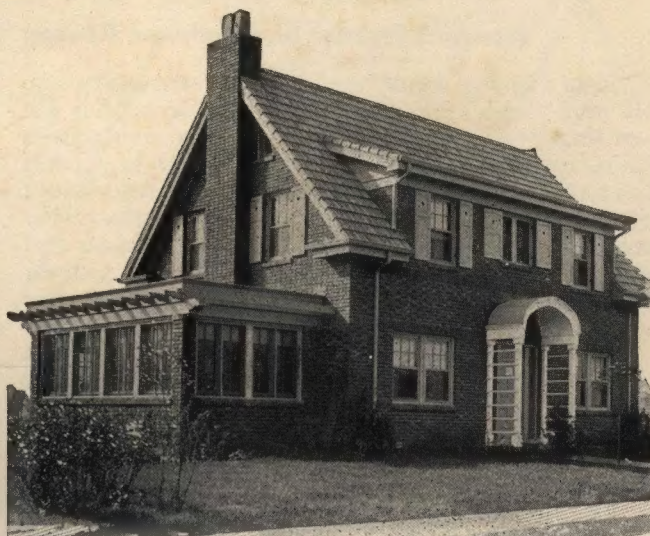
Colors can be selected in keeping with the balance of the design, and the low cost places it within the reach of the man of moderate means.

HAWTHORNE Tile is permanent. It is made of concrete by a unique patented method on automatic power machines producing a tile at reasonable cost, superior in strength, imperviousness and beauty. The tile is colored with pure metallic oxides that are integral with the tile and are guaranteed not to craze, dust or fade.

HAWTHORNE Tile has a brilliant, lasting color of uniform texture and quality. It is proof against the attacks of the hot Southern sun or severe Northern winters. Red and green tile are carried in stock, other colors to order at short notice.

HAWTHORNE Tile is beautiful. It is made in two styles, Spanish and French. The impervious surface is always clean; rain washes the dirt off and not in. All colors are produced with a delightful matt finish. The wide range of color tones enables the architect to order any color blend effect he desires.

HAWTHORNE Tile is economical. Maintenance expense is eliminated and re-roofing problems never arise when HAWTHORNE Tile is used.



Residence, Park Ridge, Ill.
G. W. REPP, Architect

The Logical Method of Laying Roofs

A HAWTHORNE Tile Roof is a roof without nails.

The tile are so shaped that they interlock, securely, tightly and firmly in place. It is impossible for them to be loosened by wind or vibration. Unlike other tile, slate, or rigid shingles, HAWTHORNE Tile can not break because nailed too tight, nor can they loosen or cut the nails through wind action or vibration.

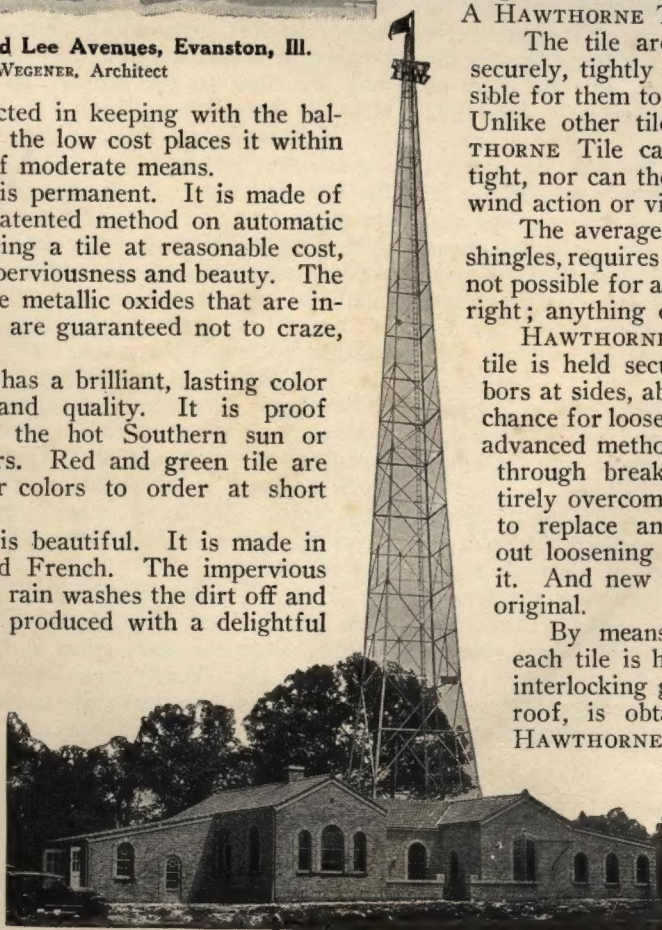
The average roof of other tile, slate, or rigid shingles, requires from 7000 to 10,000 nails, and it is not possible for any man to drive all these nails just right; anything else spells loosening or breakage.

HAWTHORNE Tile are absolutely secure. Each tile is held securely, interlocked with its neighbors at sides, above and below. Thus there is no chance for loosening. By means of this approved, advanced method of laying a roof, the great loss through breakage due to poor nailing is entirely overcome, and it is a simple, easy matter to replace an accidentally broken tile, without loosening or disturbing all the tile around it. And new tile so placed is as secure as the original.

By means of this "three-point" contact, each tile is held with absolute security. This interlocking grip, which insures solidity of the roof, is obtained by the special design of HAWTHORNE TILE.

Facilities and Distribution

The geographical location of HAWTHORNE Tile plants ensures quick delivery of all orders, large or small, with minimum of transportation expense, to all parts of the country.



Radio Station WHT, Deerfield, Ill.
HALL, LAWRENCE, RIPPEL and RATCLIFFE, Architects

Suggested Specification Clauses for Use of Architects Specifying Hawthorne Roofing Tile

All sloping roofs shall be covered with Red (or other color) French [Spanish] HAWTHORNE Roofing Tile of shade approved by the architect and finished with HAWTHORNE special tile at ridges, hips and gables (and eaves in Spanish tile). Specials to be nailed with copper nails. All to be laid in accordance with the Standard Practice of the HAWTHORNE ROOFING TILE CO.

Before laying the tile, roof sheathing is to be covered with an approved slater's asphalted felt weighing not less than 30 lb. per square, securely nailed with flat headed nails, lapped not less than 3 in. at intersections, and doubled at valleys, hips and ridges. All flashings to be installed before tile is laid, and all stucco work, pointing or other finish on dormers and other vertical surfaces that rise above roof to be completed before tile laying is started.

Standard Practice of Hawthorne Roofing Tile Co. for Laying Hawthorne Tile Roofs

Roof framing should be of sufficient strength to support roof tiling. Weight of tile as laid on roof is not more than $8\frac{1}{2}$ lb. per sq. ft. In residence construction 2x6-in. rafters, 20-in. centers are sufficient to support HAWTHORNE Tile on ordinary spans; but, in cases where 2x4-in. rafters are used, it is recommended that collar beams be used to stiffen the roof. It is important that valleys and headers should be of ample size and securely framed together. Rafters should be covered with close sheathing.

As total thickness above roof sheathing to under side of the tile is about $1\frac{1}{4}$ in., it is necessary to place gable rake boards so they project about $1\frac{1}{4}$ in. above roof boarding to receive the gable tile, as shown on detail drawings. Total width of this board may be 4, 6 or 8 in., to suit design of roof.

The best method of finishing eaves for French tile is to place a tilting fillet 2 in. high under the first roof board. The lowest tile will then lay right on the roof boarding and set snugly in the gutter. A more common practice is to lay sheathing just as for other roofs; the roofer then sets his lowest furring strip on edge in order to give proper tilt to the tile. This results in the tile showing a little higher above the edge of the gutter. This is not objectionable. In the case of Spanish tile no tilt is required, as eave closer furnished with the tile finishes edge.

Felt—Over the sheathing roofer will lay slater's asphalted felt weighing at least 30 lb. per 100 sq. ft. Felt should be lapped 3 in. or more at intersections and doubled at valleys, hips and ridges, securely nailed down with flat headed nails. Where moulding gutters are used felt should be brought up over back edge of the gutter.

Sheet Metal Work—Before laying any tile, all sheet metal work for flashings, gutters, valleys, etc., should be installed.

Flashings of 16-oz. copper should be used. Roofers often use galvanized iron flashings and valleys, but this is not recommended, as the life of sheet iron flashings is short.

Weeper and Hanger Strips—When all flashings and felt have been laid the weeper strips are placed. They are laid at right angles to the eaves, about 2 ft. apart over the entire roof. Ordinary plasterer's lath are suitable for this purpose. They should be securely nailed to the roof boarding with $\frac{7}{8}$ -in. shingle nails.

Over weeper strips horizontal 1x2-in. battens or hanger strips are placed. They are placed parallel to the

eaves and securely nailed through weepers to the sheathing using 6d wire nails.

Hanger strips must be accurately and evenly spaced in order that lines of the tile may be regular. Before laying strips, roof from eaves to ridge should be measured to determine spacing of hanger strips. Tile are usually laid 12 in. to the weather, but if distance from ridge to eave is not an even number of feet, it will be necessary to slightly increase or decrease spacing of the hanger strips from 12 in. on centers.

It is important that the lines of hanger strips should be absolutely horizontal and that spacing from eave to ridge should be uniform. Roofer usually measures the distance and marks out the lines in chalk before placing these strips.

On all hips and ridges a 1x4-in. strip is set vertically and securely nailed to the sheathing below. Ridge and hip tile are nailed to these, so that their weight does not bear on the roof tile.

In some cases where pitch of roof is very flat or very steep, a 1x4-in. strip is not sufficient to keep ridge and hip tile clear of the tile below or it may bring it too high. In this case, width of strip shall be slightly increased or decreased in order that the hip and ridge tile may set close to the surface of the field tile and yet allow its weight to be carried on the strip.

Tile Laying—Tile are laid in horizontal rows starting at lower left-hand corner; lugs of the tile hook over the hanger strips. Each succeeding tile interlocks with the preceding tile. Upper rows of tile overlap the row immediately below by not less than $2\frac{1}{2}$ in. Gable starters and finishers are used on all gable rakes. If length of roof is not an even multiple of 8 in., the last tile nearest the gable finisher may be cut to fit and gable finisher bedded with cement mortar on to it.

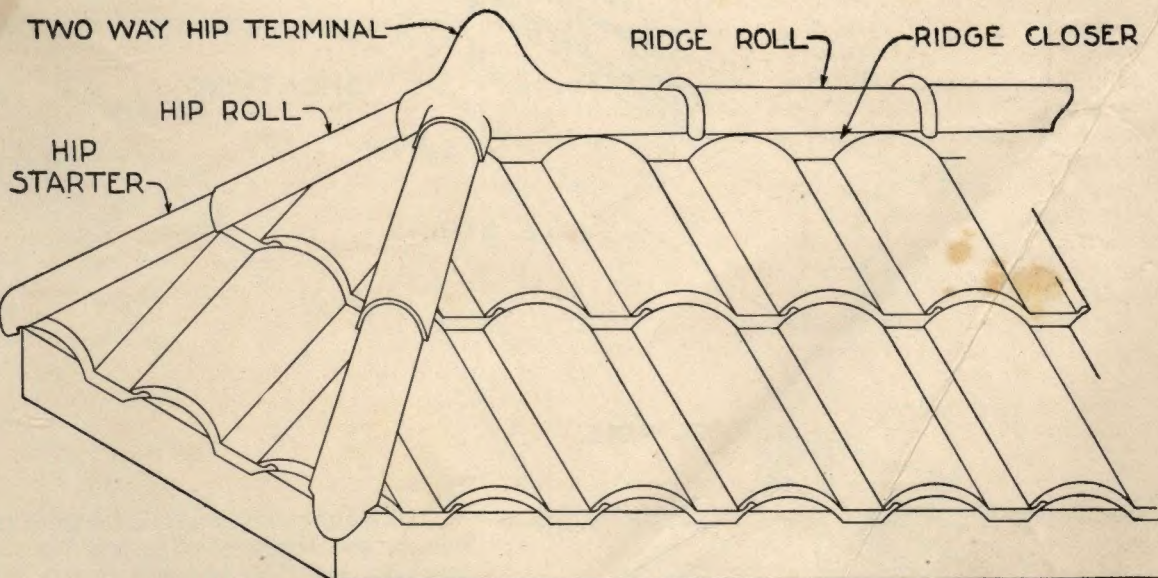
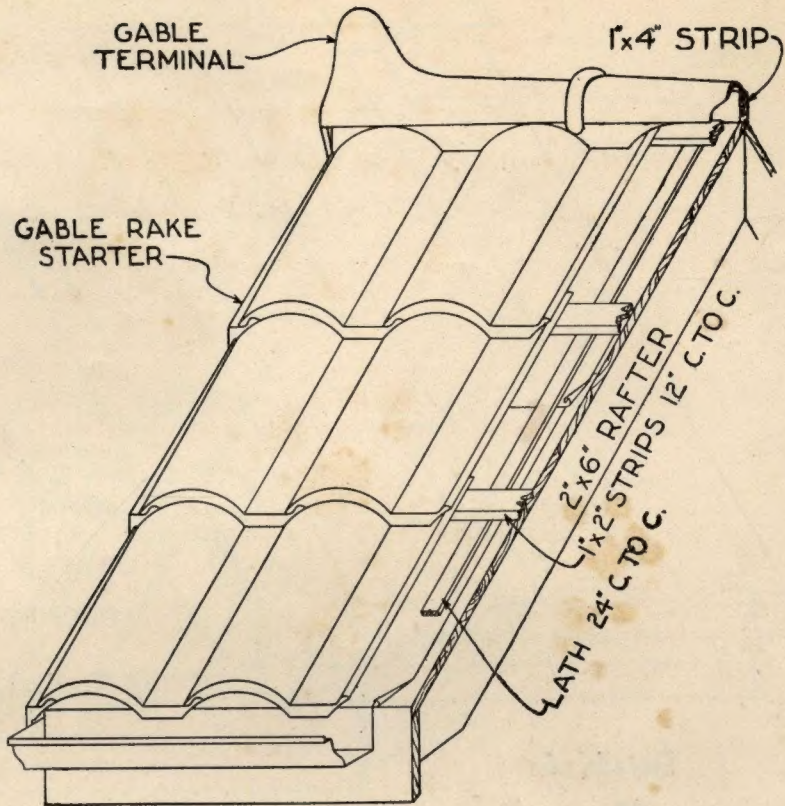
Tile should be neatly and carefully cut to fit hips and valleys. Tile on either side of valleys should be cut so that they show straight parallel lines. Rough and unsightly edges should not be permitted. Edges should be 6 in. apart at all points except in the case of very long slopes (30 ft. or more), in which case width at eaves should be slightly increased and gradually tapered to 6 in. at top.

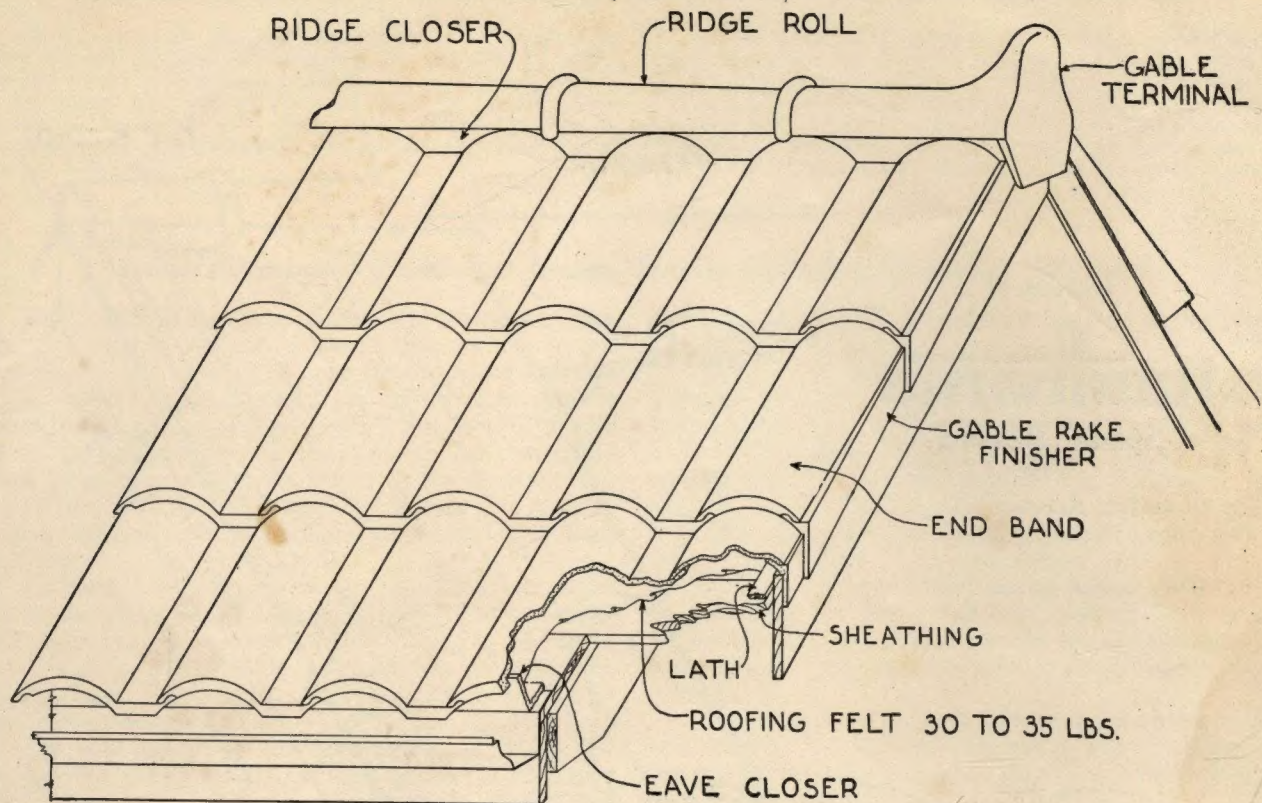
Hip and ridge tile should be nailed to the 1x4-in. strip and bedded and pointed up with colored cement mortar, using the same color as that used in the manufacture of tile. With Spanish tile, ridge closers and eave closers are used to finish tile at ridges and eaves; pointing at ridges is unnecessary.

Details of
Hawthorne
Spanish Roofing
Tile

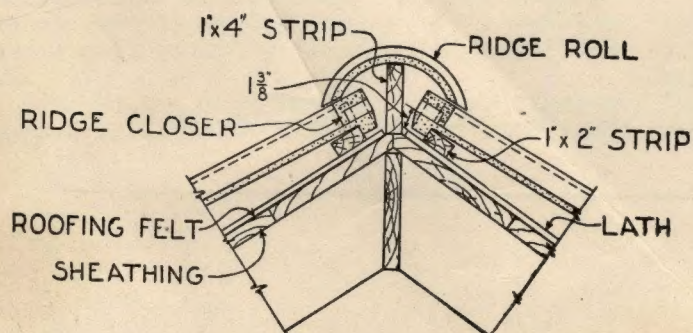
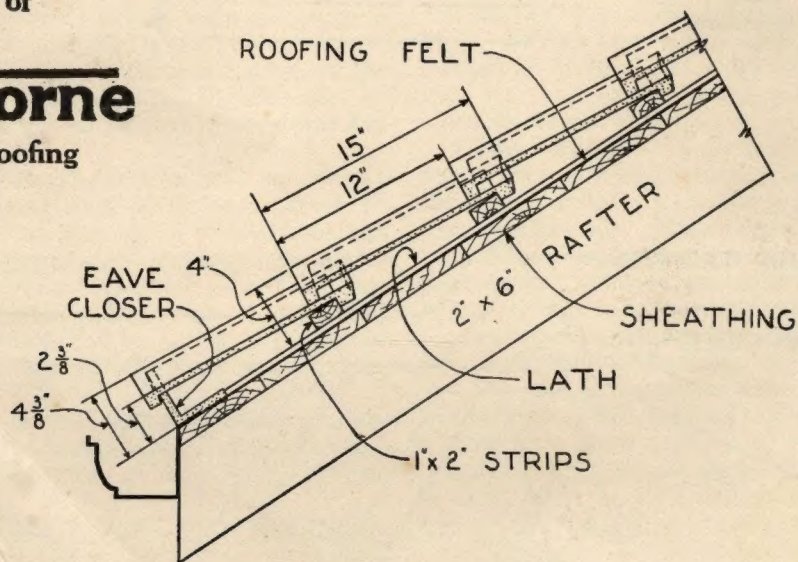


Lock Joint of Hawthorne
Spanish Tile





Details of
Hawthorne
 Spanish Roofing
 Tile

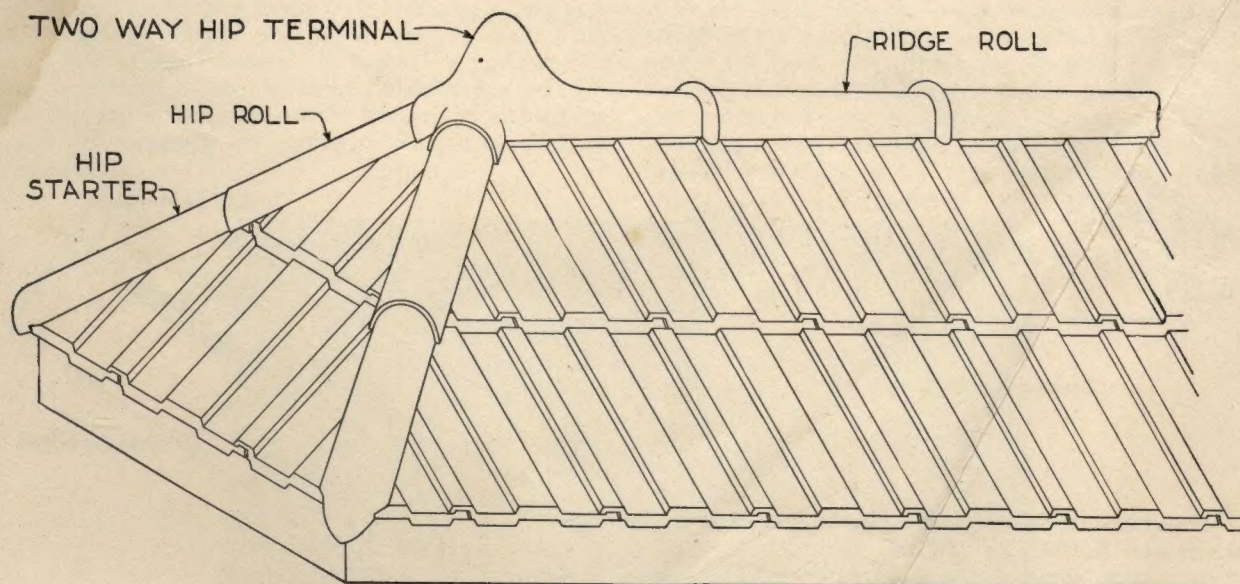
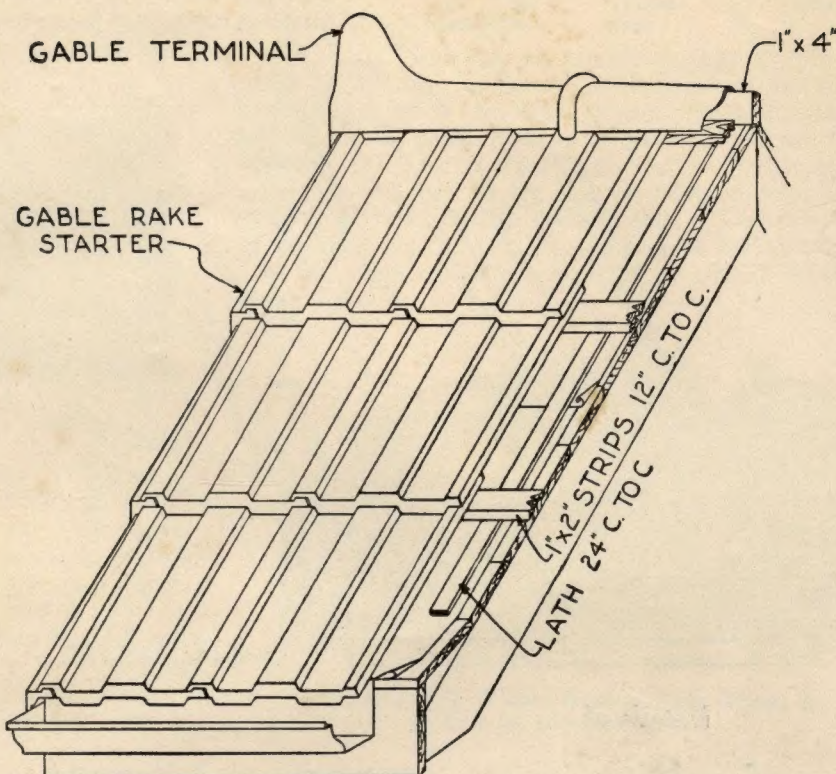


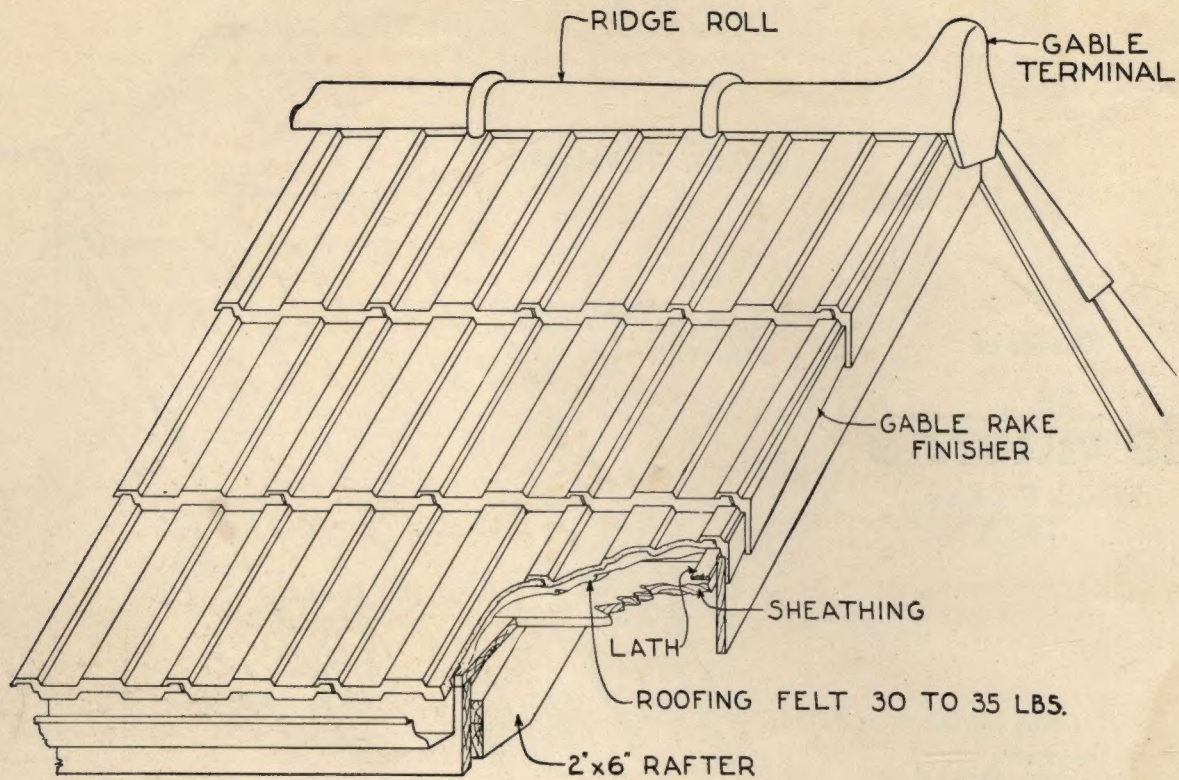
HAWTHORNE Special Tile for gable rake starters and finishers, ridge and hip rolls, terminals, and ridge and eave closers, illustrated on fourth page following.

Details of
Hawthorne
French Roofing
Tile

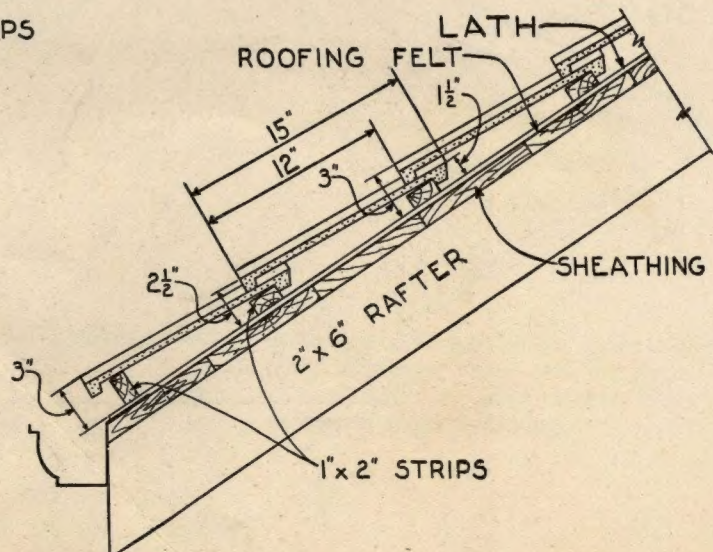
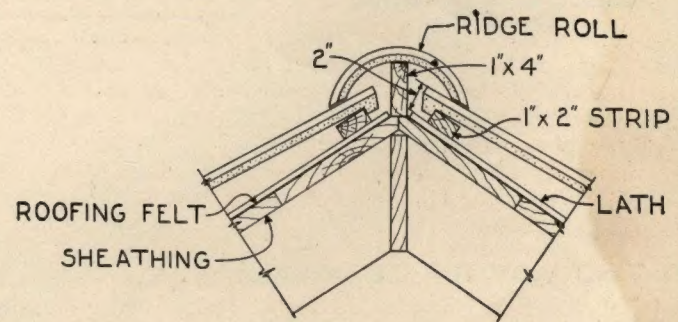
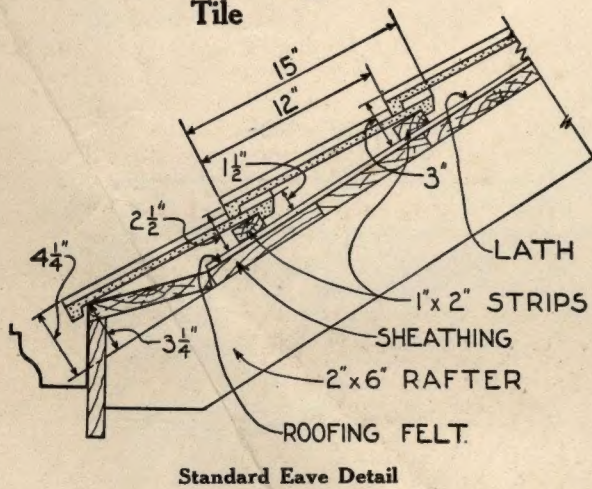


Lock Joint of Hawthorne
French Tile





Details of
Hawthorne
French Roofing
Tile



HAWTHORNE Special Tile for gable rake starters and finishers, ridge and hip rolls and terminals, illustrated on second page following.

Hawthorne Tile—the Modern Roofing Material

HAWTHORNE Roofing Tile is made of concrete by a newly perfected process. HAWTHORNE Tile produced in accordance with modern laboratory research in concrete making and finishing is far advanced over the earlier attempts to produce satisfactory roofing tile from concrete. Today it is demonstrating its superiority as a roofing material.



Residence, Beverly Hills, Chicago, Ill.
LOVELL & LOVELL, Architects

Protection—HAWTHORNE Roofing Tile provides perfect protection. It is weatherproof. Extensive laboratory tests made by the Lewis Institute Laboratories, Chicago, prove that HAWTHORNE Tile is waterproof and practically non-absorbent.

Because of the form of HAWTHORNE Tile and interlocking method of laying, it is impossible for wind to dislodge or loosen any of the tile. On the other hand, expansion or freezing does not produce cracking. It lies so closely and so tight that water and snow can not be driven underneath.

Beauty—No longer need motives of economy spoil good design by substituting inferior roofing materials. HAWTHORNE Tile has taken beautiful roofs out of the luxury class.

Now, the architect can get a roof to match the rest of his design within the reach of his client's purse. HAWTHORNE Tile combines utility and economy with structural beauty.

HAWTHORNE Tile is made in two beautiful styles—Spanish, giving curved lines, and French, giving the straight line effect. Spanish is suited to Spanish and Italian architecture, and to large, unbroken roof surfaces. French is suited to roofs that are broken or cut up, and for typically American, Colonial, English or French designs.

Each of these two designs is made with an extremely pleasing matt finish in eleven beautiful colors.

Bright red	Standard green	Blue	Tan
Dark red	Light green	Yellow	Chocolate
Orange	Dark green	Slate	

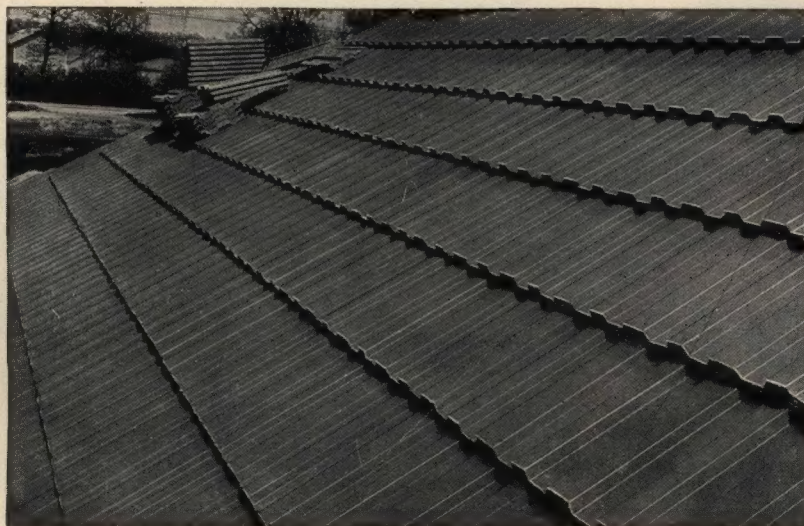
The architect may be guided entirely by his own or his client's taste in the use of these colors, for almost any desired effect can be obtained. With the use of colorblends all sorts of pleasing combinations are easily secured with HAWTHORNE TILE. The distinctive appearance of a tile roof having this variation in color tones, imparts an unmistakable individuality. With two styles of tile and an endless arrangement of color, HAWTHORNE Tile are found to be adaptable to practically all architectural motifs.



Residence, 218 Wisner Avenue, Park Ridge, Ill.
JAMES R. M. MORRISON, Architect

Economy—A roof of HAWTHORNE Tile costs but very little more than a cheap, perishable roof. It costs much less than any other form of permanent roofing. To ensure freedom from replacement and repairs, combined with lower first cost, specify "HAWTHORNE Roofing Tile."

Insulation—The method of laying HAWTHORNE Tile, on battens raising the tile well above the felt, provides an enclosed air space giving a Thermos bottle effect to the roof. This exceptional insulation feature makes for cool, comfortable upper chambers during the heat of midsummer and also makes possible a substantial saving in winter's fuel bills. HAWTHORNE Tile supplies ample roof insulation without the use of any further insulating medium in the roof construction.



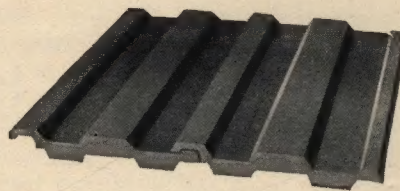
Hawthorne French Tile Roof

Hawthorne

French Tile



Gable Rake
Starter



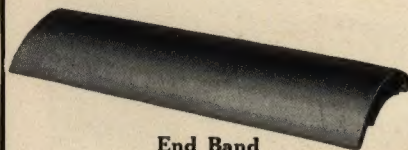
Size, $9\frac{1}{4} \times 15$ in. Exposure, 8×12 in.
Weight per square, 825 lb.
150 tile per square



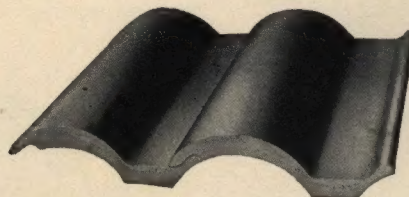
Gable Rake
Finisher

Hawthorne

Spanish Tile



End Band



Size, $9\frac{1}{4} \times 15$ in. Exposure, 8×12 in.
Weight per square, 825 lb.
150 tile per square



Eave Closer



Ridge Closer



Gable Rake
Starter



Gable Rake
Finisher

Hawthorne

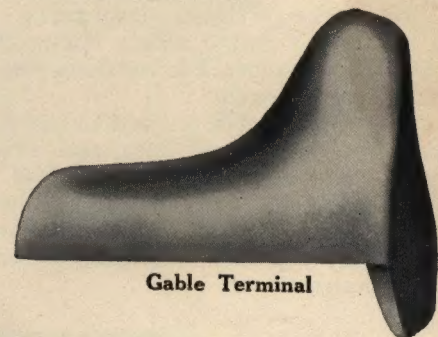
Ridge and Hip Tile



Hip Starter



Gable Terminal with Bead



Gable Terminal



Hip Roll

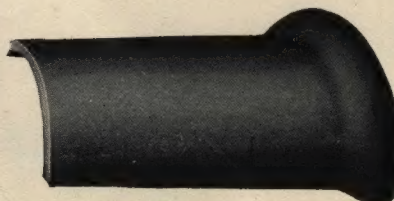
Can also be used for Ridge



Hip Terminal with Bead

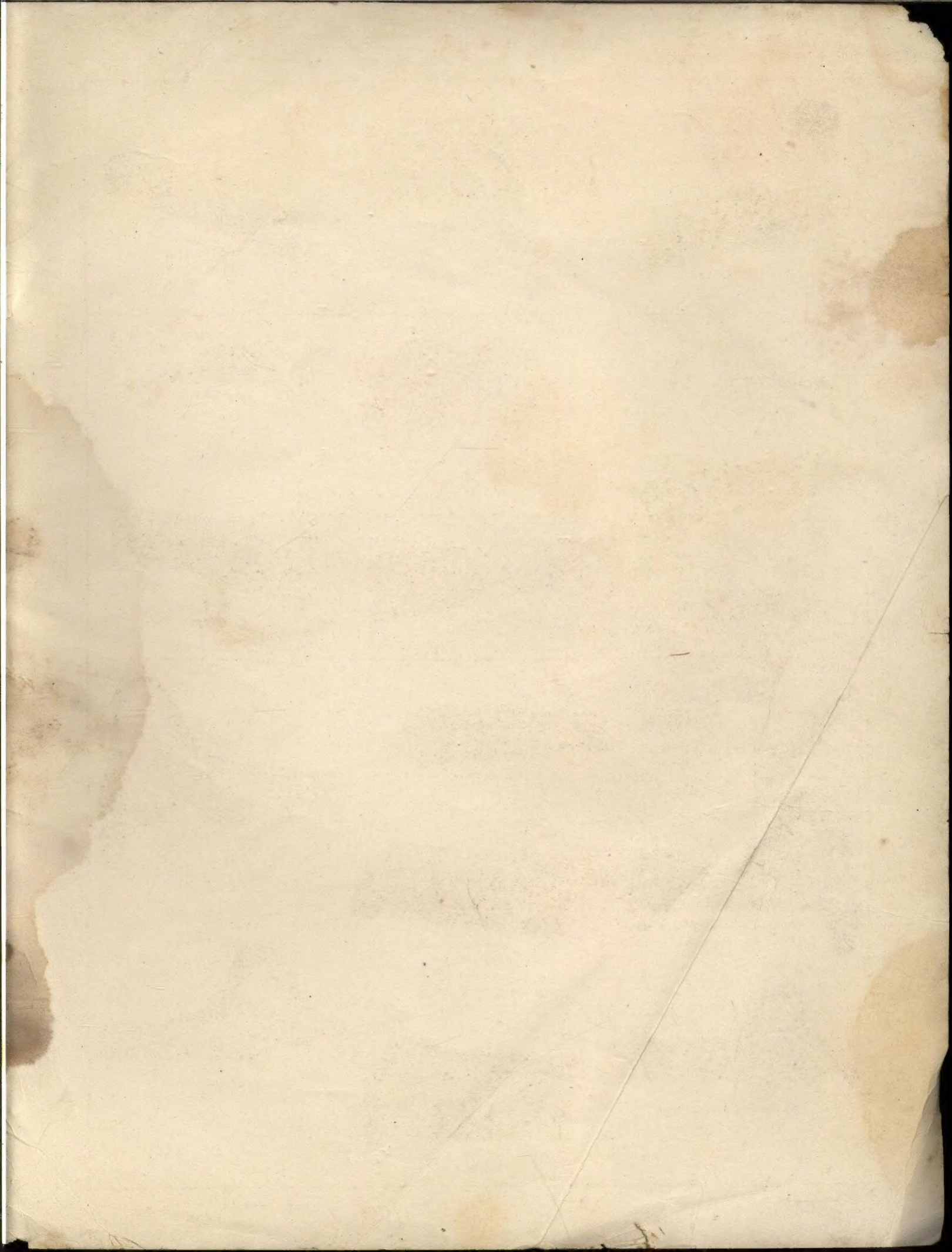


Hip Terminal



Ridge Roll

Can also be used for Hip



Hawthorne
Roofing Tile